



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

GP-2827
8/19/04

FEE TRANSMITTAL

for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180.00)

Complete if Known

| | |
|----------------------|-------------------|
| Application Number | 09/843,630 |
| Filing Date | April 27, 2001 |
| First Named Inventor | Kazuo Nishiyama |
| Examiner Name | James M. Mitchell |
| Art Unit | 2827 |
| Attorney Docket No. | 075834.00074 |

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None
 Deposit Account:

| | |
|------------------------|----------------------|
| Deposit Account Number | 50-1794 |
| Deposit Account Name | Holland & Knight LLP |

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | Small Entity | Fee Description | Fee Paid |
|---------------|---------------|------------------------|----------|
| Fee Code (\$) | Fee Code (\$) | | |
| 1001 770 | 2001 385 | Utility filing fee | |
| 1002 340 | 2002 170 | Design filing fee | |
| 1003 530 | 2003 265 | Plant filing fee | |
| 1004 770 | 2004 385 | Reissue filing fee | |
| 1005 160 | 2005 80 | Provisional filing fee | |

SUBTOTAL (1) (\$ 0.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | Independent Claims | Multiple Dependent | Extra Claims | Fee from below | Fee Paid |
|--------------|--------------------|--------------------|--------------|----------------|----------|
| | | | -20** = | X | = |
| | | | - 3** = | X | = |
| | | | | | |

| Large Entity | Small Entity | Fee Description |
|---------------|---------------|--|
| Fee Code (\$) | Fee Code (\$) | |
| 1202 18 | 2202 9 | Claims in excess of 20 |
| 1201 86 | 2201 43 | Independent claims in excess of 3 |
| 1203 290 | 2203 145 | Multiple dependent claim, if not paid |
| 1204 86 | 2204 43 | ** Reissue independent claims over original patent |
| 1205 18 | 2205 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 0.00)

**or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity Small Entity

| Fee Code (\$) | Fee (\$) | Fee Code (\$) | Fee (\$) | Fee Description | Fee Paid |
|---------------|------------|---------------|-------------|--|----------|
| 1051 130 | 2051 65 | 1053 130 | 1053 130 | Surcharge - late filing fee or oath | |
| 1052 50 | 2052 25 | 1812 2,520 | 1812 2,520 | Surcharge - late provisional filing fee or cover sheet | |
| 1804 920* | 1804 920* | 1805 1,840* | 1805 1,840* | Non-English specification | |
| 1251 110 | 2251 55 | 1252 420 | 2252 210 | For filing a request for ex parte reexamination | |
| 1253 950 | 2253 475 | 1254 1,480 | 2254 740 | Requesting publication of SIR prior to Examiner action | |
| 1255 2,010 | 2255 1,005 | 1256 1,510 | 2256 1,510 | Requesting publication of SIR after Examiner action | |
| 1401 330 | 2401 165 | 1402 330 | 2402 165 | Extension for reply within first month | |
| 1403 290 | 2403 145 | 1404 290 | 2404 145 | Extension for reply within second month | |
| 1405 290 | 2405 145 | 1406 290 | 2406 145 | Extension for reply within third month | |
| 1407 50 | 1807 50 | 1408 290 | 2408 145 | Extension for reply within fourth month | |
| 1409 770 | 2809 385 | 1410 770 | 2810 385 | Extension for reply within fifth month | |
| 1411 770 | 2811 385 | 1412 770 | 2812 385 | Notice of Appeal | |
| 1413 770 | 2813 385 | 1414 770 | 2814 385 | Filing a brief in support of an appeal | |
| 1415 770 | 2815 385 | 1416 770 | 2816 385 | Request for oral hearing | |
| 1417 770 | 2817 385 | 1418 770 | 2818 385 | Petition to institute a public use proceeding | |
| 1419 770 | 2819 385 | 1420 770 | 2820 385 | Petition to revive - unavoidable | |
| 1421 770 | 2821 385 | 1422 770 | 2822 385 | Petition to revive - unintentional | |
| 1423 770 | 2823 385 | 1424 770 | 2824 385 | Utility issue fee (or reissue) | |
| 1425 770 | 2825 385 | 1426 770 | 2826 385 | Design issue fee | |
| 1427 770 | 2827 385 | 1428 770 | 2828 385 | Plant issue fee | |
| 1429 770 | 2829 385 | 1430 770 | 2830 385 | Petitions to the Commissioner | |
| 1431 770 | 2831 385 | 1432 770 | 2832 385 | Processing fee under 37 CFR 1.17(q) | |
| 1433 770 | 2833 385 | 1434 770 | 2834 385 | Submission of Information Disclosure Stmt | 180.00 |
| 1435 770 | 2835 385 | 1436 770 | 2836 385 | Recording each patent assignment per property (times number of properties) | |
| 1437 770 | 2837 385 | 1438 770 | 2838 385 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1439 770 | 2839 385 | 1440 770 | 2840 385 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1441 770 | 2841 385 | 1442 770 | 2842 385 | Request for Continued Examination (RCE) | |
| 1443 770 | 2843 385 | 1444 770 | 2844 385 | Request for expedited examination of a design application | |

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 180.00)

SUBMITTED BY

(Complete if applicable)

| | | | | | |
|-------------------|-----------------|-----------------------------------|--------|-----------|--------------|
| Name (Print/Type) | Robert J. Depke | Registration No. (Attorney/Agent) | 37,607 | Telephone | 312-422-9050 |
| Signature | | | | Date | 7/14/04 |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/21 (08-03)

Approved for use through 08/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

| | | | |
|--|--|------------------------|-------------------|
| | | Application Number | 09/843,630 |
| | | Filing Date | April 27, 2001 |
| | | First Named Inventor | Kazuo Nishiyama |
| | | Art Unit | 2827 |
| | | Examiner Name | James M. Mitchell |
| Total Number of Pages in This Submission | | Attorney Docket Number | 075834.00074 |

ENCLOSURES (Check all that apply)

| | | |
|---|--|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <input type="checkbox"/> Post Card |
| <input type="checkbox"/> Remarks <p style="text-align: center;">The Commissioner is hereby authorized to charge any fees due or to credit any overpayment to Deposit Account No. 50-1794.</p> | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | |
|-------------------------|---|
| Firm or individual name | Robert J. Depke, Holland & Knight LLC 131 South Dearborn Street, 30th Floor, Chicago, IL 60603 |
| Signature | |
| Date | 7/14/04 |

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

| | | |
|-----------------------|-----------------------------------|---------|
| Typed or printed name | Robert J. Depke (Reg. No. 37,607) | Date |
| Signature | | 7/14/04 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Kazuo Nishiyama **Atty. Docket No.** 075834.00074

Serial No.: 09/843,630 **Group Art Unit:** 2827

Filed: April 27, 2001 **Examiner:** James M. Mitchell

Customer No.: 33448

INFORMATION DISCLOSURE STATEMENT

Mail Stop - Fee Amendment
Commissioner for Patents
Alexandria, VA 22313-1450

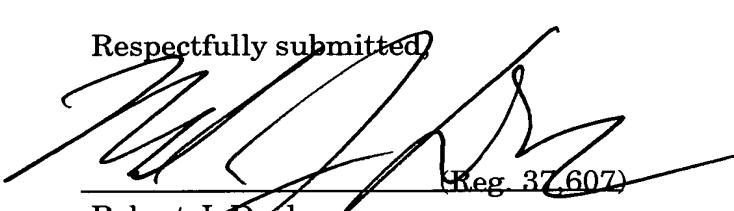
SIR:

In accordance with 37 CFR §§1.97, 1.98, Applicants and the undersigned attorney hereby submit legible copies of the patents listed on the accompanying form PTO/SB/08A. In accordance with 37CFR §1.17(p), Applicants attach the requisite fee of \$180.

The undersigned points out that the submission of these documents is neither a concession nor admission that the documents qualify as prior art for this application under the patent laws of the United States. Applicants reserve the right to challenge the status of any such document that the office determines to be prior art.

Date: 7/14/04

Respectfully submitted,


Reg. 37,607

Robert J. Depke
HOLLAND & KNIGHT LLC
131 South Dearborn, 30th Floor
Chicago, IL 60603
(312) 422-9050

07/20/2004 BSAYASII 00000004 09843630

01 FC:1806

180.00 OP

Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1 of 1

Complete if Known

| | |
|------------------------|-------------------|
| Application Number | 09/843,630 |
| Filing Date | April 27, 2001 |
| First Named Inventor | Kazuo Nishiyama |
| Group Art Unit | 2827 |
| Examiner Name | James M. Mitchell |
| Attorney Docket Number | 075834.00074 |

U.S. PATENT DOCUMENTS

| Examiner Initials ¹ | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
| | | Number | Kind Code ² (if known) | | | |
| US1 | 5942578 | | | Noguchi et al. | 8/24/1999 | |
| US2 | 6518662 | | | Smith et al. | 2/11/2003 | |
| US3 | 5956236 | | | Corisis et al. | 9/21/1999 | |
| US4 | 6373133 | | | DiGiacomo et al. | 4/16/2002 | |
| US5 | 5600181 | | | Scott et al. | 2/4/1997 | |
| US6 | 5796164 | | | McGraw et. al. | 8/18/1998 | |
| US7 | 4931853 | | | Ohuchi et al. | 6/5/1990 | |
| US8 | 6104089 | | | Akram | 8/15/2000 | |
| US9 | 6242283 | | | Lo et al. | 6/5/2001 | |
| US10 | 5786628 | | | Beilstein, Jr. et al. | 7/28/1998 | |
| US11 | 6445591 | | | Kwong | 9/3/2002 | |
| US12 | 5874774 | | | Takahashi | 2/23/1999 | |
| US13 | | | | | | |
| US14 | | | | | | |
| US15 | | | | | | |
| US16 | | | | | | |
| US17 | | | | | | |
| US18 | | | | | | |
| US19 | | | | | | |
| US20 | | | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials ¹ | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|--------------------------------|-----------------------|-------------------------|---------------------|-----------------------------------|---|--|---|----------------|
| | | Office ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| F1 | JP | 05-090559 | | | Kazufumi et al. | 9/04/1993 | | |
| F2 | JP | 06-163808 | | | Satoru | 10/06/1994 | | |
| F3 | | | | | | | | |
| F4 | | | | | | | | |
| F5 | | | | | | | | |
| F6 | | | | | | | | |
| F7 | | | | | | | | |
| F8 | | | | | | | | |
| F9 | | | | | | | | |
| F10 | | | | | | | | |

| | |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.